

DEC 12 1989

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Ralph Jewett  
City of Buffalo  
City Hall  
Buffalo, Iowa 42728

Dear Mr. Jewett:

Enclosed is a copy of the Data Reporting/Qualification Codes sheet, field sheet, and the analytical results for the water sample taken from City Well No. 2 at the time of the inspection of the Umthun Trucking site. The sample was collected during May 1989, by Ecology and Environment, a contractor for the U.S. Environmental Protection Agency (EPA).

Iron and sulfate were detected in the sample taken from your water supply at levels above their respective Secondary Drinking Water Maximum Contaminant Levels of 300 micrograms per liter (ug/l), and 250 milligrams per liter (mg/l). Secondary Drinking Water Standards have been established based on aesthetic considerations.

If you would like additional information, or help in answering questions regarding consumption of this water, I suggest that you contact:

Mr. Dennis Alt  
Bureau of Surface and Ground Water Protection  
Iowa Department of Natural Resources  
Henry A. Wallace Building  
900 East Grand  
Des Moines, Iowa 50319  
Phone: (515) 281-8998

This information is forwarded to you in accordance with the provisions of Section 3007(a) of the Resource Conservation and Recovery Act of 1976 (RCRA) as amended, and Section 104(e)(4)(B)

WSTM:SPFD:PREP:CULVER:final:bh:11/28/89:Disk #4:umthjewe.dat

PREP  
CULVER

ATSDR  
HARPER

PREP  
FUERST

DRNK  
LANGEMEIER

SPFD  
MORBY

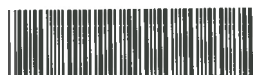
*Culver*  
11/30/89

*Forney*  
11-21-89

*Fuerst*  
12-1-89

*12/1/89*

*12-9-89*  
*12-12-89*



30815335

Site:	Linwood Mining
ID #:	1AD980852297
Break:	103
Other:	
Date:	12-12-89

of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended. If you have any questions regarding these analytical data, please contact Pete Culver of my staff at (913) 236-2856.

Sincerely yours,

Robert L. Morby  
Chief, Superfund Branch  
Waste Management Division

Enclosure

cc: Pete Hamlin, IDNR (with enclosure)  
Darrell McAllister, IDNR (with enclosure)

bcc: Ralph Langemeier, WATR (w/enclosure)  
Craig Smith, IOWA/RCRA (w/enclosure)

#### DATA REPORTING / QUALIFICATION CODES

- U - The material was analyzed for, but was not detected. The associated numerical value is the sample detection limit.
- J - The associated numerical value is an estimated quantity (explanation attached).
- I - The data are invalid (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
- N - Sample not analyzed.

#### CODES FOR FLASH POINT DATA

- L - The sample did not ignite or "flash". This is the highest temperature at which the sample was tested. It is possible that the material may be ignitable at higher temperatures.
- K - The sample did ignite or "flash" at the lowest temperature tested. This is usually the ambient temperature at the time of the test. It is possible that the material may be ignitable at even lower temperatures.

FIELD SHEET  
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII  
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

: Site Name: UMTUN TRUCKING :  
: Location: BUFFALO IA : Site Number: :  
: Site Code: :

: Collected: YR: 89 MO: 5 Day: 23 Time: 09:05 Leader: WES MCCALL :

: Sample Number: DC943019 SMO #: :

: Sample Media (circle one):  
: SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER: \_\_\_\_\_ :

: Sample Split (circle one): YES NO :

: Sample Container : Tag Color : Preservative : Analysis Requested :

: CUBITAINER :	: HNO3/4 C :	: TOTAL METALS :
: <del>CUBITAINER</del> :	: <del>HNO3/4 C</del> :	: <del>DISSOLVED METAL</del> :
: 1 GAL. AMBER :	: 4 C :	: SULFATE :
: 1 GAL. AMBER :	: 4 C :	: CHLORIDE :

: Depth: 105' Fan #: \_\_\_\_\_ Aliquots: \_\_\_\_\_ :

: Samplers: Wes McCall :  
: Debbie Palmer :  
: \_\_\_\_\_ :

COMMENTS OF FIELD PERSONNEL

: Site Description: City of Buffalo ; Well #2 :

: Temp = 14.5°C :  
: pH = 6.20 :  
: Conductivity = 900 umhos :  
: \_\_\_\_\_ :  
: \_\_\_\_\_ :

## ANALYSIS TYPE: METALS, TOTAL

TITLE: UMTHUM TRUCKING

MATRIX: WATER

UNITS: UG/L

LAB: NANCO

METHOD: 9001W71

CASE: 12127

SAMPLE PREP: \_\_\_\_\_

ANALYST/ENTRY: PLC

REVIEWER: \_\_\_\_\_

DATE: 08/25/89

REVIEW LEVEL: 2

DATA FILE : P55

## SAMPLES

DC943019

ALUMINUM  
ANTIMONY  
ARSENIC  
BARIUM  
BERYLLIUM  
CADMIUM  
CALCIUM  
CHROMIUM  
COBALT  
COPPER  
IRON  
LEAD  
MAGNESIUM  
MANGANESE  
MERCURY  
NICKEL  
POTASSIUM  
SELENIUM  
SILVER  
SODIUM  
THALLIUM  
VANADIUM  
ZINC  
CYANIDE

200 U  
60 U  
10 U  
120 J  
5.0 U  
5.0 U  
85000  
10 U  
50 U  
25 U  
1900  
5.0 U  
33000  
21  
0.20 U  
40 U  
1600 J  
5.0 U  
10 U  
12000  
10 U  
50 U  
1500  
N

MODIFIED DATA

ANALYSIS TYPE: SULFATE BY ANION SCAN

TITLE: UMTHUM TRUCKING

MATRIX: WATER

UNITS: MG/L

LAB: SILVER VALLEY

METHOD: 3001WOO

CASE: 4740G

SAMPLE PREP: \_\_\_\_\_ ANALYST/ENTRY: PLC REVIEWER: o.cox

DATE: 08/03/89

REVIEW LEVEL: 2

DATA FILE : P83

SAMPLE NO. \_\_\_\_\_ RESULT \_\_\_\_\_

DC943019

268

ANALYSIS TYPE: CHLORIDE BY ANION SCAN

TITLE: UMTUM TRUCKING

LAB: SILVER VALLEY

SAMPLE PREP: \_\_\_\_\_

REVIEW LEVEL: 2

ANALYST/ENTRY: PLC

MATRIX: WATER

METHOD: 3001W00

REVIEWER: SCX

DATA FILE : P82

UNITS: MG/L

CASE: 4740G

DATE: 08/03/89

SAMPLE NO.

RESULT

DC943019

27.0

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

**SENDER INSTRUCTIONS**

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE  
USE, \$300

RETURN  
TO



Print Sender's name, address, and ZIP Code in the space below.

~~Environmental Protection Agency~~

~~WESTM/SPFD/TH~~

~~726 Minnesota Avenue~~

~~Kansas City, Kansas 66101~~

PCulver



Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

- |  |   |
|--|---|
| <p>3. Article Addressed to:</p> <p>Mr. Ralph Jewett<br/> City of Buffalo<br/> City Hall<br/> Buffalo, Iowa 42728</p> | <p>4. Article Number<br/> P 716 386 089</p> <p>Type of Service:<br/> <input type="checkbox"/> Registered      <input type="checkbox"/> Insured<br/> <input checked="" type="checkbox"/> Certified      <input type="checkbox"/> COD<br/> <input type="checkbox"/> Express Mail</p> <p>Always obtain signature of addressee<br/> or agent and <u>DATE DELIVERED</u>.</p> |
| <p>5. Signature — Addressee</p> <p>X <i>City of Buffalo</i></p>  | <p>8. Addressee's Address (<i>ONLY if requested and fee paid</i>)</p>   |
| <p>6. Signature — Agent</p> <p>X <i>Dwight Guenther</i></p>  |   |
| <p>7. Date of Delivery</p> <p><i>12/15/89</i></p>  |   |

P 716 386 089  
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Ralph Jewett	
City and State City of buffalo	
City Hall	
P.O., State and ZIP Code Buffalo, Iowa 42728	
Postage	S
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	S
Postmark or Date	

n 3800, June 1985

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1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.